

ABSTRACT OF THE DISCLOSURE

A system for providing access to data via a voice interface. In one
5 embodiment, the system includes a voice recognition unit and a speech processing
server that work together to enable users to interact with the system using voice
commands guided by navigation context sensitive voice prompts, and provide user-
requested data in a verbalized format back to the users. Digitized voice waveform
data are processed to determine the voice commands of the user. The system also
10 uses a "grammar" that enables users to retrieve data using intuitive natural language
speech queries. In response to such a query, a corresponding data query is
generated by the system to retrieve one or more data sets corresponding to the
query. The user is then enabled to browse the data that are returned through voice
command navigation, wherein the system "reads" the data back to the user using
15 text-to-speech (TTS) conversion and system prompts.